

LOW ALLERGENIC NATURAL RUBBER AND METHOD OF PREPARING LOW
ALLERGENIC NATURAL RUBBER

BACKGROUND OF THE INVENTION

5 The present invention relates to a method of preparing
a natural rubber latex and a method of preparing a
deproteinized natural rubber latex, which are less likely to
cause allergy, and a low allergenic natural rubber and a
deproteinized natural rubber.

10 Natural rubbers have widely been used in various
fields, for example, household appliances such as glove,
medical appliances such as surgical glove and various
catheters, lactation appliances, contraceptive device and the
like because of features such as large extension, high
15 elasticity and strong film strength. It has recently been
reported that, when using medical appliances made of the
natural rubber, such as surgical glove and various catheters,
immediate (I type) allergy, which shows symptoms such as
respiratory distress and anaphylactoid symptom (e.g. vascular
20 edema, urttication, cyanosis, etc.), is caused. It is
presumed that such immediate allergy is caused by a protein,
as an antigen, in the natural rubber.

 Accordingly, a trial of highly removing a protein in a
natural rubber latex has recently been made and Japanese
25 Patent No. 2,905,005 [Japanese Published Unexamined Patent

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